

**INVENTOR:** FALBO, Michael G.  
**TITLE:** SUPINE ERGOMETER LEG BRACE

## **CLAIMS**

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is as follows:

1. A supine bicycle echocardiography table that is tiltable about its longitudinal axis and having a crank and a pedal arm for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection about the bicycle pedal arm.
2. The table as claimed in claim 1 further comprising a strap for securing the leg to the support.
3. The table as claimed in claim 1 further comprising a pad covering the support.
4. A supine bicycle echocardiography table tiltable about its longitudinal axis and having a crank and a pedal for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection with the bicycle crank.

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1           5. The table as claimed in claim 4 further comprising a strap for securing  
2           the leg to the support.

3           6. The table as claimed in claim 4 further comprising a pad covering the  
4           support.

5           7. A leg holder for attachment to the bicycle crank assembly of a laterally  
6           tiltable supine bicycle echocardiography table said leg holder following the movement  
7           of the crank assembly as the bicycle is operated by a user comprising:

8           a support for attachment to the leg of a user,

9           a housing,

10          a bearing in said housing said bearing being connected to the

11          crank assembly for rotation with the crank assembly,

12          a receiver attached to said housing, and

13          a shaft having a first end and a second end, said first end

14          connected to said leg support and said shaft second end

15          connected to said receiver.

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1           8. Leg support for attachment to the bicycle crank of a laterally tiltable  
2 supine bicycle echocardiography table comprising:  
3           a leg pad,  
4           a bearing rotatably attached to the crank, and  
5           a support rod connecting said bearing to said pad.

6           9. The device as claimed in claim 8 further comprising a strap for securing  
7 the leg to the pad.

10          10. A leg support for attachment to the crank of a laterally tiltable supine  
11 bicycle echocardiography table comprising:  
12           a leg pad,  
13           a bearing comprising a housing said housing rotatably supporting the bicycle  
14           pedal arm therein, and  
15           a support rod connecting said bearing to said pad.

14          11. The device as claimed in claim 10 further comprising a strap for  
15 securing the leg to the pad.

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1           12. A method of reducing the strain on the knee and hip joints of a patient on  
2         a supine bicycle echocardiography table during the tilting of the table comprising the  
3         steps of:  
4             securing the leg of a patient to a support device to maintain a generally  
5         perpendicular alignment between the patient's leg and the bicycle peddle; and  
6             tilting the patient and table.

7           13. A method of reducing the strain on the knee and hip joints of a patient  
8         while pedaling a bicycle of a supine bicycle echocardiography table during the tilting of  
9         the table comprising the steps of:

10             placing the foot of the patient on the pedal of the supine bicycle,  
11             attaching a first end of a support device to the leg of the patient,  
12             securing a second end of said support device to the crank assembly of the  
13             supine bicycle.